

WHAT IS CLAIMED IS:

1. A storage apparatus that electrically connects to a central processor unit, the system comprising:
 - an enclosure having a surface;
 - a printed circuit board fixedly coupled to the surface of the enclosure and configured to operate the storage apparatus, the printed circuit board having a plurality of contact pads;
 - an electrical connector having a plurality of conductive pins electrically coupled to the plurality of contact pads; and
 - an overmold section coupling the electrical connector to the surface of the enclosure.
2. The storage apparatus of claim 1, wherein the overmold section comprises a polymer.
3. The storage apparatus of claim 1, wherein the electrical connector further comprises a plurality of connector leads corresponding with the plurality of conductive pins and electrically coupled to the contact pads.
4. The storage apparatus of claim 1, wherein the electrical connector further comprises a connector housing having an upper pin enclosing wall located above the conductive pins, a pin supporting wall for supporting the conductive pins on an outboard side and for supporting the connector leads on an inboard side and a lower pin enclosing wall located below the conductive pins.
5. The storage apparatus of claim 4, wherein the overmold section at least partially surrounds the connector housing and is positioned adjacent upper pin enclosing wall, adjacent lower pin enclosing wall and adjacent the inboard side of pin supporting wall.

6. The storage apparatus of claim 3, wherein the printed circuit board is coupled to the enclosure with fasteners.
7. The storage apparatus of claim 6, wherein the fasteners force the contact pads of the printed circuit board to compress the connector leads of the electrical connector to form a resilient electrical connection.
8. The storage apparatus of claim 1, wherein the enclosure further comprises at least one external feature which extends from the outer surface of the enclosure and into the overmold section and terminates at a first end, each external feature having a side surface.
9. The storage apparatus of claim 8, wherein each external feature comprises a material that is the same as a material of the enclosure.
10. The storage apparatus of claim 8, wherein each external feature comprises a cylindrical post.
11. The storage apparatus of claim 8, wherein each external feature further comprises at least one notch formed in the side surface of each external feature.
12. A method of manufacturing a storage apparatus that withstands a sustained load, the method comprising:
 - providing an enclosure having a surface;
 - overmolding an electrical connector to the surface of the enclosure with an overmold section; and

attaching a printed circuit board to the surface of the enclosure to operate the storage apparatus and to electrically couple to the electrical connector.

13. The method of claim 12, wherein overmolding the electrical connector to the enclosure comprises:

inserting the electrical connector and the enclosure into a mold; and
injecting a material into the mold such that the material occupies open spaces between the electrical connector and the enclosure to form the overmold section.

14. The method of claim 12, wherein the injected material comprises a polymer.

15. The method of claim 12, wherein attaching the printed circuit board to the outer surface of the enclosure comprises fastening the printed circuit board to the outer surface of the enclosure with fasteners.

16. The method of claim 14, wherein fastening the printed circuit board to the enclosure comprises forcing contact pads of the printed circuit board to compress connector leads of the electrical connector to form a resilient electrical connection between the printed circuit board and the electrical connector.

17. The method of claim 12 and further comprising forming at least one external feature which extends from the outer surface of the enclosure into the overmold section and terminates at a first end, each external feature having a side surface.

18. The method of claim 17, wherein forming each external feature further comprises forming at least one notch on each side surface of each external feature.
19. A storage apparatus that electrically connects to a central processor unit comprising:
 - an enclosure having a surface;
 - a printed circuit board fixedly coupled to the outer surface of the enclosure and configured to operate the storage apparatus, the printed circuit board having a plurality of contact pads;
 - an electrical connector having a plurality of conductive pins electrically coupled to the contact pads of the printed circuit board; and
 - means for coupling the electrical connector to the surface of the enclosure to provide structural rigidity.
20. The storage apparatus of claim 19, wherein the means for coupling the electrical connector to the surface comprises an overmold section.
21. The storage apparatus of claim 19, wherein the enclosure further comprises at least one external feature which extends from the outer surface of the enclosure and into the overmold section and terminates at a first end.